U. S. DEPARTMENT OF THE INTERIOR
Geological Survey

Form 9-275-D
(Jan. 1988)

WATER RESOURCES DIVISION

Date 12/12, 19 94

MISCELLANEOUS FIELD NOTES

Canada stream

visited site @ 1615. All flow in flume, all things ok

	CRD	Field
Stage	1.46	1.46
WT	7.5	—
Sc	293	29.0
pH	—	7.16

@ 1630 took current measurement in flume width 1.85' depth 0.48' (outside gage) using Pygmy meter 40 count in 51.3 seconds

$Q = \{(40/51.3) \cdot .977 + .028\} * 0.48 * 1.85$

$Q = 0.70$ cfs

Took standard discharge from 1639 TO 1704

No. _____ of _____ sheets

9-275-G
(Rev. 10-81)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Meas. No. .....

Comp. by .....

WATER RESOURCES DIVISION

Sta. No. ..... **DISCHARGE MEASUREMENT NOTES** Checked by .....

canada stream @ F1

Date 12/12 ., 19 94 Party HH-PS

Width 4.80 Area 1.111 Vel. 0.748 G.H. 1.50 Disch. 0.83

Method ..... No. secs. 18 G.H. change +0.03 in 1/2 hrs. Susp. .....

Method coef. .6 Hor. angle coef. 1.0 Susp. coef. ..... Meter No. .....

Type of meter Pygmy Date rated — Tag checked ✓

Meter ..... ft. above bottom of wt. Spin before meas. ✓ after ✓

Meas. plots ..... % diff. from ..... rating. Levels obtained no

GAGE READINGS

Time		Inside	ADR	Graphic	Outside
1639		1.49			1.48
1704		1.51			1.51
Weighted M.G.H.					
G. H. correction					
Correct M.G.H.					

WATER QUALITY MEASUREMENTS

No ..... Yes. ✓ Time .....

Samples Collected

No ✓ Yes. ..... Time .....

Method Used

EDI ..... EWI ..... Other. .....

SEDIMENT SAMPLES

No ..... Yes. ..... Time .....

Method Used

EDI ..... EWI ..... Other. .....

BIOLOGICAL SAMPLES

Yes. ..... Time .....

No ..... Type .....

Check bar. chain found ..... changed to ..... at .....

Wading, cable, ice, boat, upstr., downstr., side bridge 150 feet, mile, above, below gage

Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%); based on the following cond:

Flow fairly steady

Cross section shallow, small rocks

Control clear, all in flume

Gage operating yes Weather calm, sunny

Intake/Orifice cleaned no Air 10 °C@ ..... Water 7 °C@ .....

Record removed no Extreme Indicator: Max. ..... Min. .....

Manometer N_2 Pressure Tank 1700 Feed ✓ Bbl rate ..... per min.

CSG checked ..... Stick reading .....

Observer .....

HWM ..... outside, in well

Remarks .....

.....

.....

G.H. of zero flow — ft. Sheet No. ..... of ..... sheets

.0 .10 .20 .30 .40 .50 .60 .70 .75

River at—

Angle coefficient	Dist. from initial point	Width	Depth	Observation depth	Revolutions	Time in seconds	VELOCITY: At point	VELOCITY: Mean in vertical	Adjusted for hor. angle or	Area	Discharge	
EW	1.9		0.25		0	0						.80
60	2.0		0.28		17	52						.85
	2.3		025		11	41.2						
	2.6		0.25		21	40						
	2.9		0.29		18	41						.90
	3.2		0.25		24	405						.92
	3.5		0.23		40	41						
	3.8		0.30		45	40						.94
	4.1		0.30		55	422						.96
	4.4		0.23		50	405						.97
	4.7		0-23		42	40						.98
	5.0		0.20		40	42.6						.99
	5.3		0.20		30	40						
	5.6		0.22		30	405						
⊙	5.9		0.20		20	43						1.00
	6.2		0.15		17	41.5						
	6.5		0.15		15	43						
EW 60	6.7		0.15		0	0						.99
												.98
												.97
												.96
												.94
												.92
												.90
												.85
												.80

.0 .10 .20 .30 .40 .50 .60 .70 .75